

Tack Talk

Becky Smith
ADC, Field Operations
Asphalt Technology Division

5.

CONTAINERS

5.1.

Type of Containers:

5.1.1.

Containers for liquid asphalt materials, except emulsified asphalt, shall be double-seal friction-top cans, square cans with screw tops, or small-mouth cans with screw caps.

5.1.2.

Containers for emulsified asphalt samples shall be plastic wide-mouth jars or bottles with screw caps.

5.2.

Size of Containers:

5.2.1.

The size of the container shall correspond to the required amount of sample.

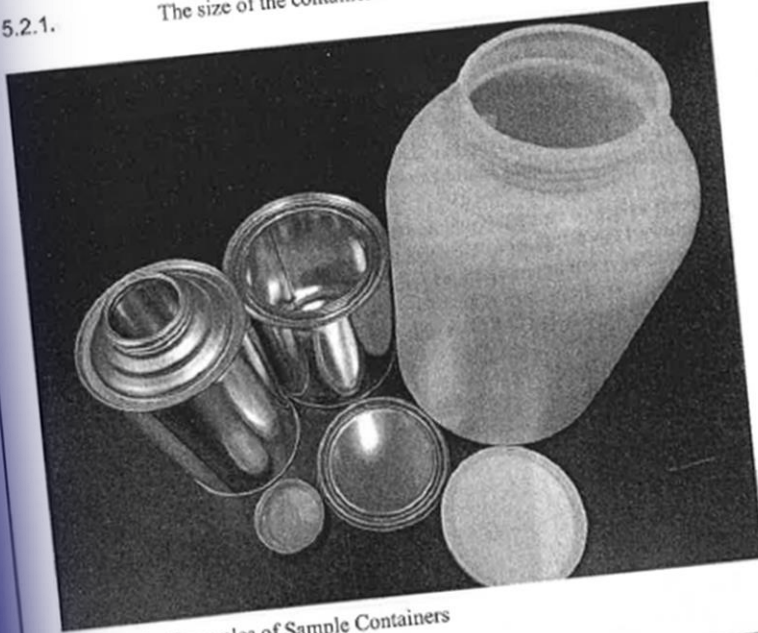


Figure 1—Examples of Sample Containers

6.

PROTECTION AND PRESERVATION OF SAMPLES

6.1.

Sample containers shall be new. The top and container shall fit together tightly.

6.2.

Take care to prevent the sample from becoming contaminated. Immediately after filling it, tightly seal the container.

6.3.

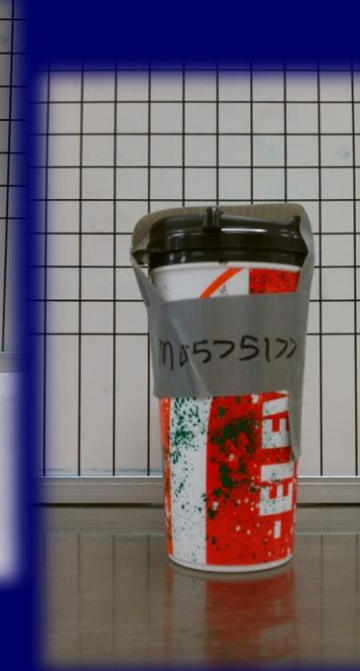
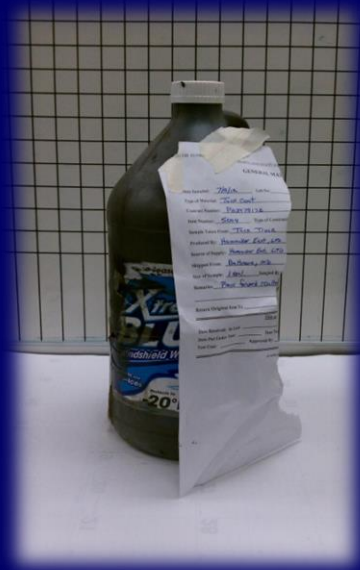
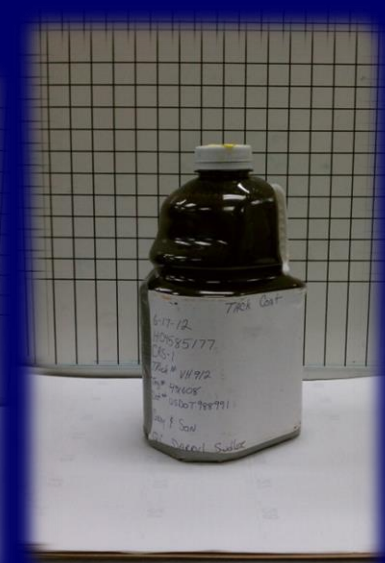
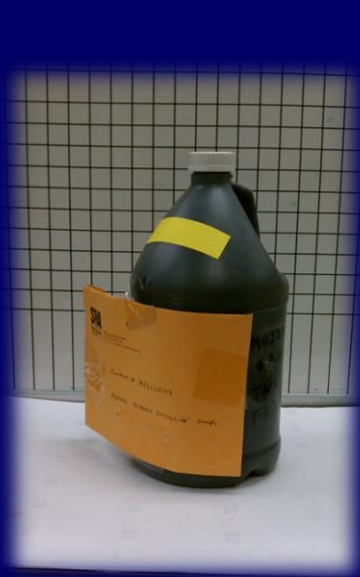
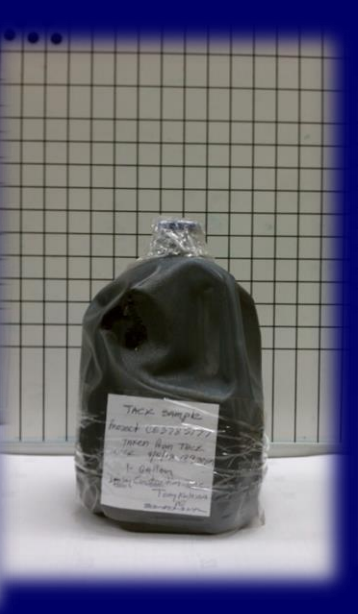
The filled sample container shall not be submerged in solvent, nor shall it be wiped with a solvent-saturated cloth. If cleaning is necessary, use only a clean, dry cloth.

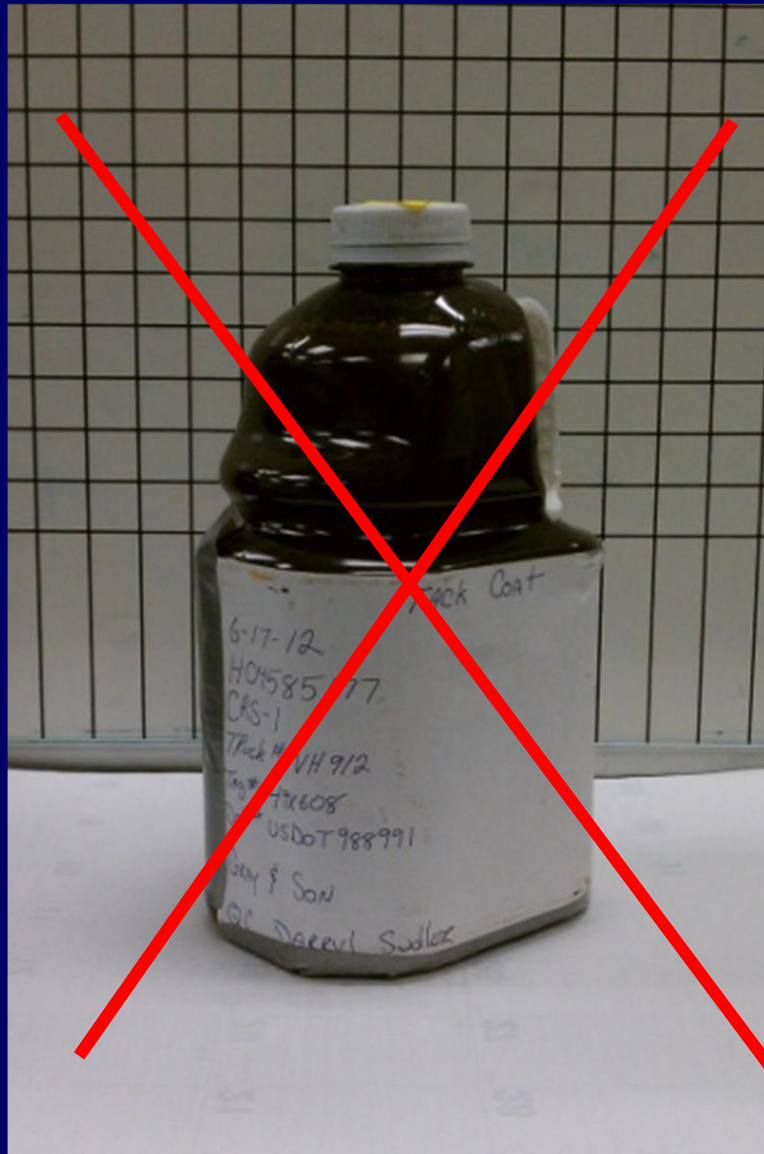
6.4.

Emulsified asphalt samples shall be protected from freezing.

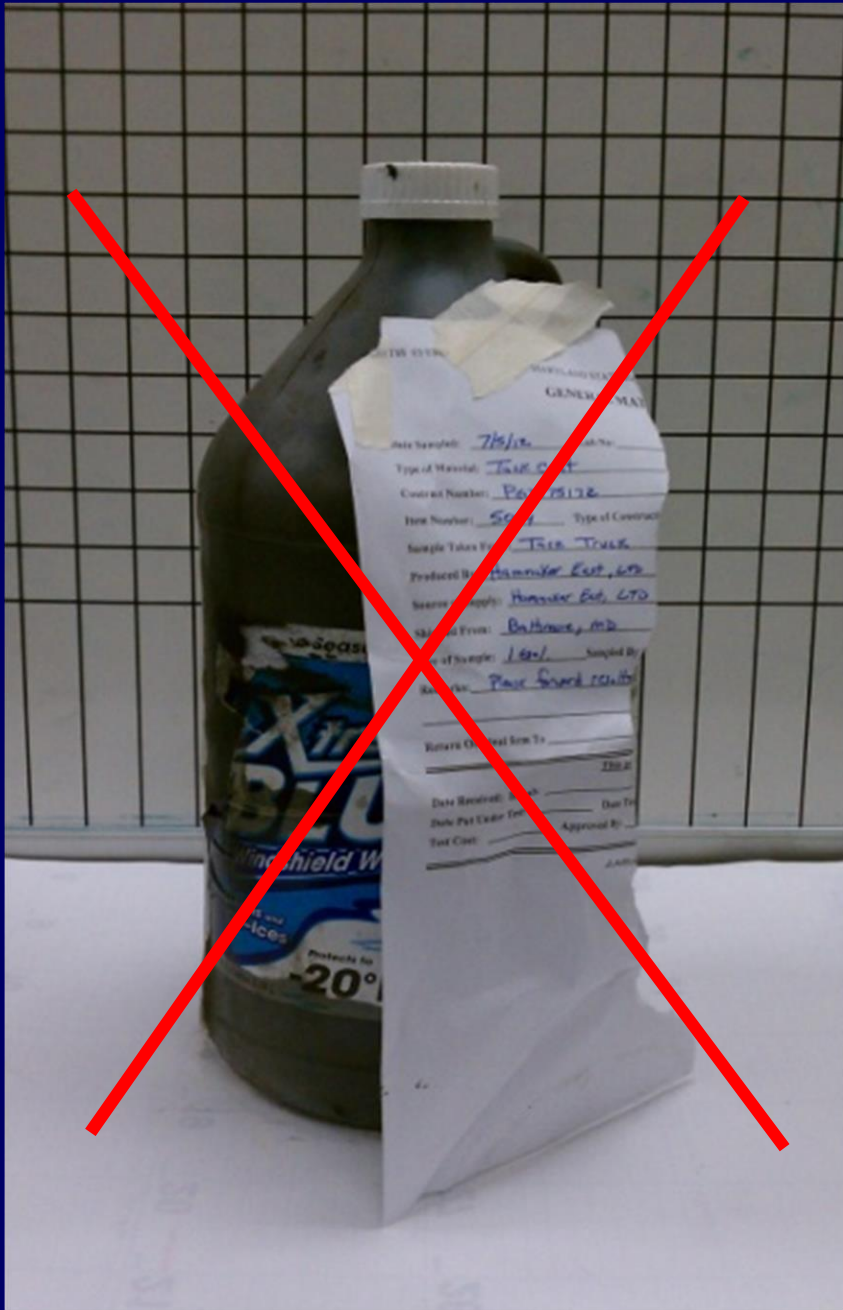
Note 1—When sampling emulsified asphalt, do not sample material under pressure. Pressure may allow air entrapment which could result in erroneous test results. Bubbles in the material are one indication that air has been entrapped. In addition, the sampling container should be completely free of skin formation at the air-emulsion interface.

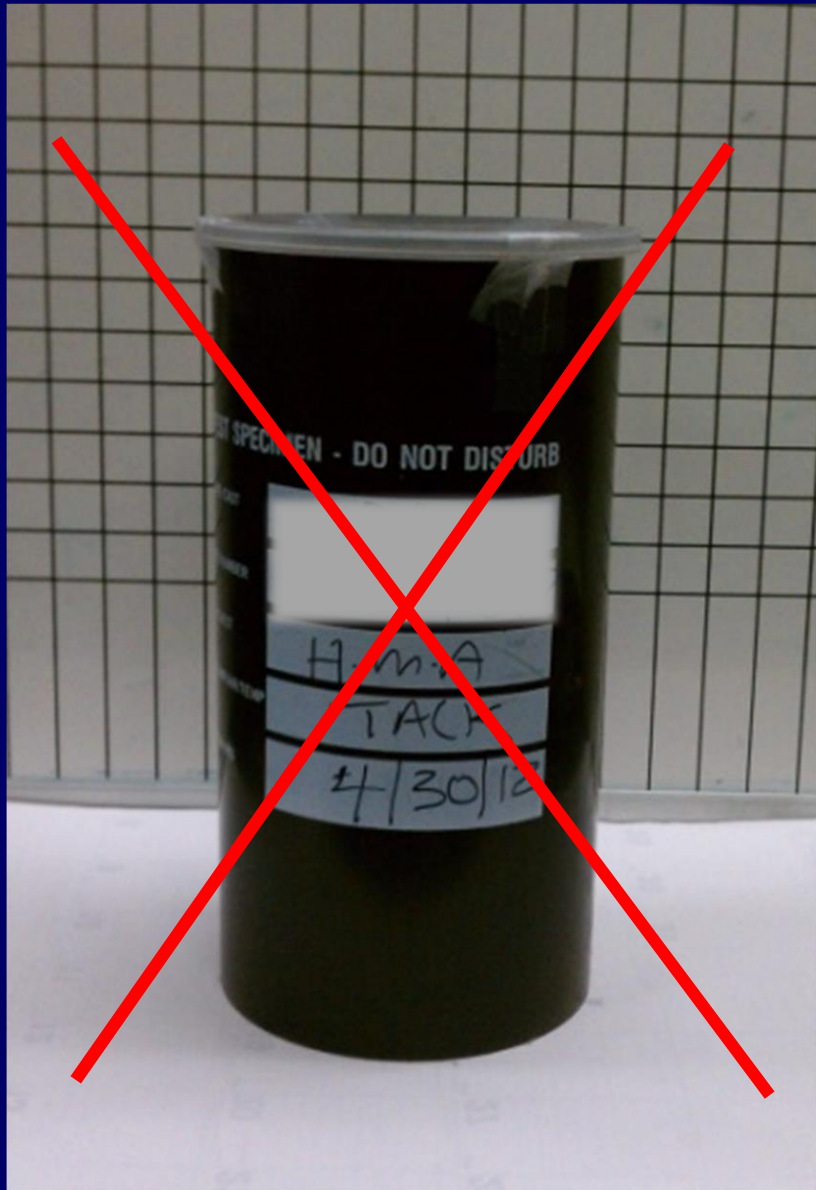


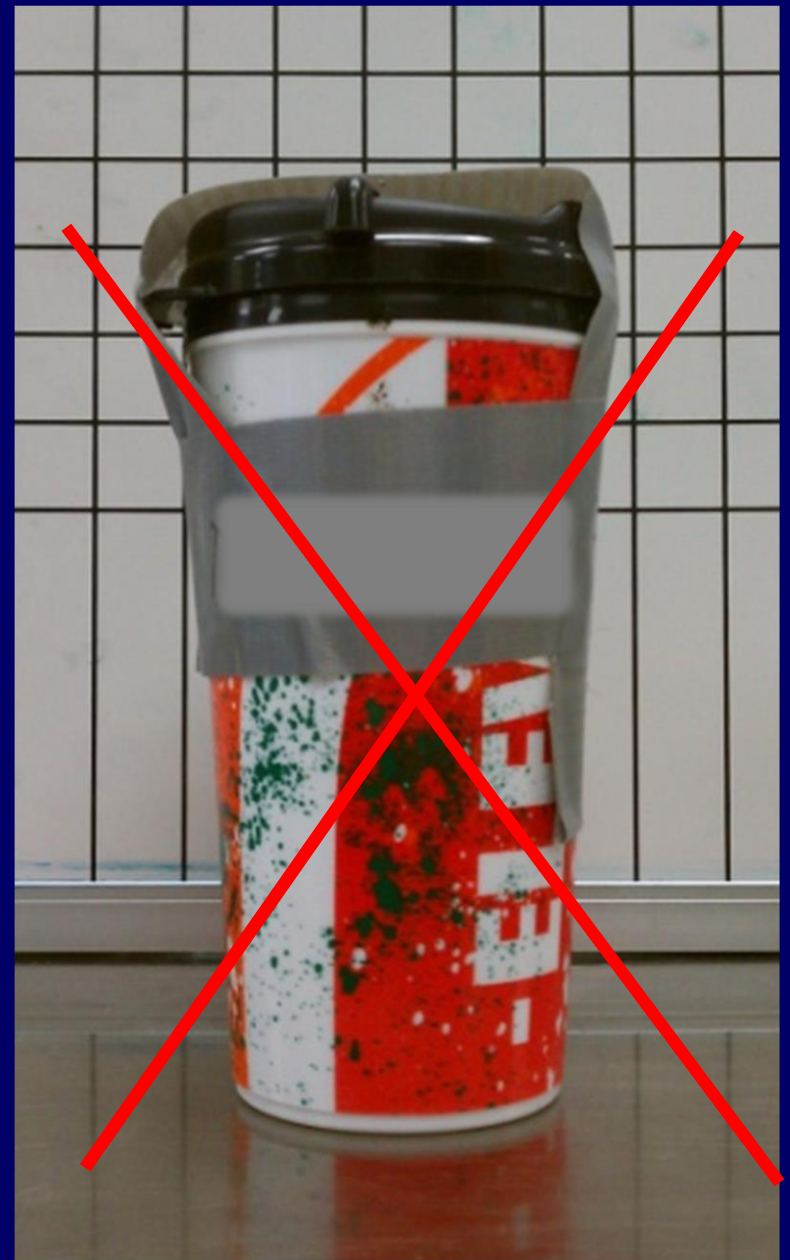


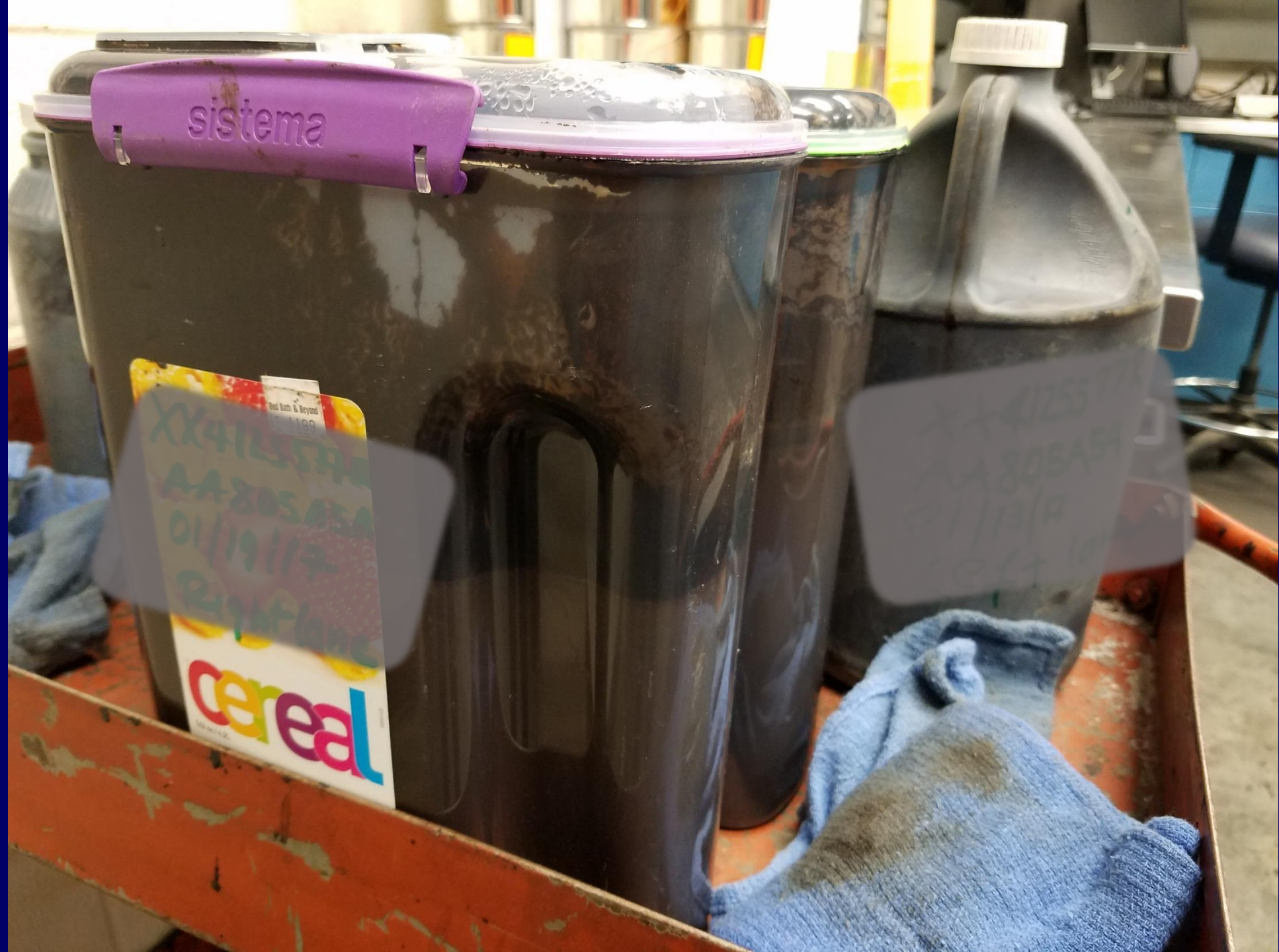












sistema

XX41255H
AA805A5A
01/19/17
Biology
cereal

XX41255H
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01/19/17
Biology

Tack Sample

- Label side of jug (not the lid)
- Completed Form 88 including truck tag number
- Certificate Of Analysis
- Don't sample buckets
- Don't put sample in drop box if it's going to be real cold
 - No daily pickup December – April
 - Notify OMT for pickup or deliver directly to OMT Hanover

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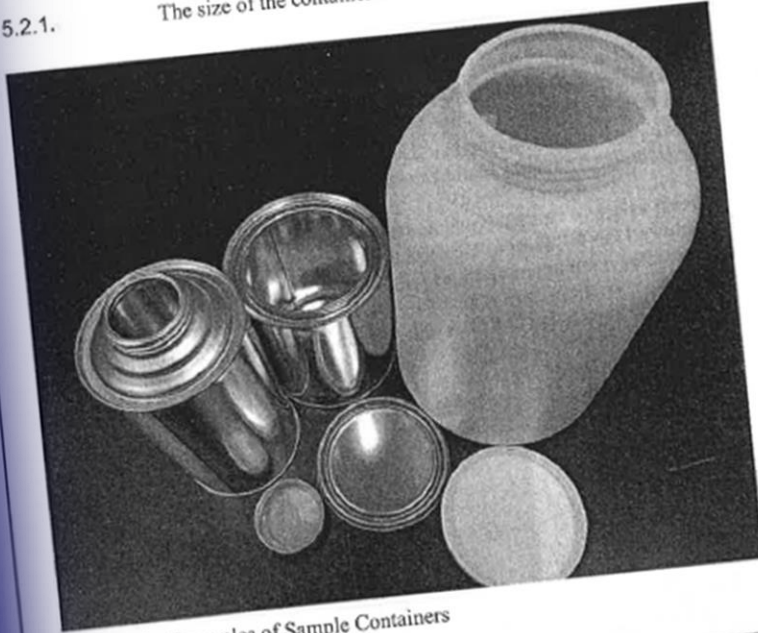


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Form 88 Example...

OMT 88
REV. 05/2012

STATE OF MARYLAND
STATE HIGHWAY ADMINISTRATION
OFFICE OF MATERIALS TECHNOLOGY

Original _____
Acceptance X _____
I.A.S.T. _____
Other _____

GENERAL MATERIALS SAMPLE

Date Sampled: 9/6/16 Lab No: _____ Project Sample No: _____
Type of Material: CSS-1b Quantity Represented: 1400
Contract No: WA 922A51 F.A.P. No: _____
Item No: _____ Type of Construction: TACK
Sample Taken From: TRK Plant No: #168 Hetzer Source: _____ Job Site: _____
Produced By: HAMMAKER EAST LTD Trade Name: _____
Source of Supply: " " Size of Sample: 1 GAL
Shipped From: Chambersburg, PA Lot No: 14 Tank No: 6
Sampled By: DAVE Witnessed By SHA: Chuck Cooley Chuck Cooley
Print Name Signature
Remarks: Tag# 363E88

Return original form to: Office of Materials Technology
7450 Traffic Drive, Building 4
Hanover, Maryland 21076

FOR LABORATORY USE ONLY

Date Received: In Lab: _____	In Testing Unit: _____	Lab No: _____
Date Put Under Test: _____	Date Test Completed: _____	Tested By: _____
Test Cost: _____	Approved By: _____	Recorded By: _____

Certificate of Analysis Example...



Hammaker East, Ltd.

A subsidiary of Russell Standard Corp.

118 Siloam Rd.
Chambersburg, Pa. 17201

Phone: 717-263-0434
Fax: 717-263-7076

Certificate of Analysis

Grade: CSS-1H Lot: 14 Tank: 6 Lot Gal: 15,600

Residue From Distillation: 61.9

Penetration, 77°F, 100g., 5 Sec 75


Viscosity, SSF @ 77°F 34

Sieve Test, % 0.04

This Certificate Of Analysis exclusively certifies material manufactured and stored on location at Hammaker East - Chambersburg plant. Third party distribution of this certification is unauthorized as Hammaker East claims no liability for material received through third party brokers. The referenced material is certified to meet DC, DE, MD, PA, VA, and WV D.O.T. Specifications.

Refinery Representative JIM KIMPLE Date 8/9/16

Bill Of Lading



HAMMAKER EAST, LTD.
Baltimore Plant
 3450 Asiatic Ave
 Baltimore, MD 21226

Plant Manager
Tom Randall

Office: 410-355-6363
 Fax: 410-335-6364

**TRUCK BILL OF LADING
 DELIVERY RECEIPT AND INVOICE**

BOL# : 410003112

Charge To: **George & Lynch, Inc.**

Date: **3/5/2012**

Carrier: **1425** Destination: _____

Truck: **FLT-436** FLT-436 Time In: **5:30 am**

Trailer: **158** P.O. #: _____

Driver: **BRIAN** Time Out: **6:08 am**

I CERTIFY THAT THIS TRAILER IS FREE OF CONTAMINATING MATERIAL UPON LOADING

Product on Tanker Prior to loading

In Case of Emergency:
1-800-424-9300 CHEMTREC, IF DC USE 1-202-483-7616

Product	Description	Tank
30.1001	CRS-1	17

	Qty	Rate	Amount
Mat.	5,398.88	GAL	
Freight			
Tax		MDSLS	
Total			


The material referenced above meets PADOT specifications published in the 408 section 702 and Bulletin #25
 The Material Referenced above is certified to meet DC, DE, MD, PA, VA and WV D.O.T.
 Specifications for performance grade asphalt emulsions, AASHTO Materials Part II 14th Edition

Gross:	Tare:	Net Lbs:	Total Net (GAL):
74340	29200	45140	5,398.88

I certify that this material has been checked as to the compatibility with job aggregate and was loaded into above designated trailer on date and time stated and that this trailer contained no foreign matter that could contaminate the above described material when loaded.
 Warranty - All products manufactured by use are warranted to be first class materials and free from defects in material and workmanship.
 We make no warranty, expressed or implied, as to suitability of any of our products for any particular use, and we shall not be subject to liability from any damages resulting from their use in operation not under our direct control.

Will contain minimal test results (if any)

Certificate of Analysis



Hammaker East, Ltd.
 A subsidiary of Russell Standard Corp.
 3450 Asiatic Ave.
 Baltimore, Md, 21226

Phone: 410-355-6363
 Fax: 410-355-6364

Certificate of Analysis

Grade: CRS-1 Lot: 3-12 Tank: 17 Lot Gal: 29,000

Residue From Distillation: _____ 63.3

Penetration, 77°F, 100g., 5 Sec _____ 1

Ductility, 4C or 25C, 5cm/minute, cm _____ 1

Softening Point, Ring & Ball, Degrees C, (vendor Results) _____ 1

Elastic Recovery @ 10°C AASHTO T301 _____ 1

Viscosity, SSF @ 122°F _____ 29

Drumisibility, 35 ml 0.8% sodium dioctyl sulfosuccinate, % _____ 1

Classification Test _____ Pass

Storage Stability, 24 hr, % _____ 100%

Particle Charge _____ POS

Sieve Test, % _____ .02

Oil Distillate, by volume of emulsion, % _____ Trace

This Certificate Of Analysis exclusively certifies material manufactured and stored on location at Hammaker East - Baltimore plant. Third party distribution of this certification is unauthorized as Hammaker East claims no liability for material received through third party brokers. The referenced material is certified to meet DC, DE, MD, PA, VA, and WV D.O.T. Specifications.

Refinery Representative [Signature] Date 2-22-12

Technician's Signature



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by Shantee Felix

TSO approved this for the letterhead. For other addresses, just change the address at the bottom. If you have the old letterhead, continue to use that on paper documents.

[2017 SHA Letterhead -Word 3b.docx](#)[Salt reduction](#)
by Shantee Felix[District 1](#)[District 2](#)[District 3](#)[District 4](#)[District 5](#)[District 6](#)[District 7](#)[OOC](#)[OOM](#)[OMT](#)[OOTS](#)[Chart / ITSD](#)

3/15/2017 4:24 PM

wards as he returns to his home in Michigan. In less than 2 short years, Greg Johnson
HA to be the best in the nation. He...

3/7/2017 9:58 AM

now available. You can check it out [here](#)

2/24/2017 4:20 PM

2/14/2017 2:33 PM

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Engineering Geology Division					
Pavement and Geotechnical Division					
Asphalt Technology Division					
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Structural Materials and Pavement Markings Division					
Materials Management Division					



Materials Technology

Hanover, MD 21076 Toll Free: 866.926.8501

[Hanover Map](#)

Publications

[Aggregate Bulletin](#)

[Matls QA Manual](#)

[MSMT Proc Manual](#)

[Pav Design Guide](#)

[PSP 2015 Statewide](#)

[Subsurface Explor](#)

Tools / Apps

[As-Built Projects](#)

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[PMBase System](#)

[Project Review EGD](#)

[Project Status EGD](#)

[Ride Specification](#)

[Vehicle Reservation](#)

Fast Links

[TMDL Drilling Status](#)

Mission

To effectively and efficiently assure the quality of the materials used on the Maryland roadway system are designed, produced and placed to meet the system preservation, safety and environmental needs of the state's communities.

Project Liaison Requests

All liaison/contact requests for new projects that are not Fund 77 shall be sent to Eric Dougherty of the Engineering Geology Division (EGD) and the Pavement & Geotechnical Division (PAGD) Design contact (listed below by district).

Pavement Preservation Techniques

Are you interested in extending the life of your pavements? Are you looking for a resurfacing alternative that could last just as long as a traditional overlay, but at a reduced cost?

Check out these [Pavement Preservation Techniques](#)

Pavement Design Contacts

Please contact the following Team Leader based on district:

OMT Divisions

Publications

Products/Tools

Intranets

Search

SHA Internet

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Asphalt Technology Division

[ATD Staff Performance Measures 2015](#)**MAA/SHA Leadership Meeting June 22, 2015**[MAA/SHA Leadership Meeting Minutes 10/24/2014](#)[MAA/SHA Performance Measures June 2015](#)[MAA/SHA Leadership Agenda 06/22/2015](#)[Qualified Bituminous Plant List \(SHA Internet\)](#)

2015 HMA Roundtables

Select from the following presentations

What We Do

The Asphalt Technology Division is responsible for the acceptance of all asphalt materials used on MDSHA contracts. This includes both laboratory and quality assurance responsibilities as well as special studies and troubleshooting. The Division focuses their efforts on the acceptance of materials provided by asphalt producers and work closely with construction personnel in the placement of materials. Once the reorganization is complete the Area Materials Engineer within the Materials Management Division will serve as the first point of contact with District personnel and will call on staff in the Asphalt Division when their expertise is required.

Services

- HMA plant approvals
- Mix design approvals
- Binder source approvals

[ATD Forms](#)

Laboratory Forms

◦ [Form 88 Tack Coat Sample \(Example\)](#)

[Field Forms](#)

Field Forms

◦ [Pavement Survey Form](#)

Plant Approval Forms

◦ [Drum Plant Calibration Checklist](#)

◦ [Asphalt Verification Worksheet \(Drum Plant\)](#)

Density Forms

◦ [HMA Field Compaction Report](#)

◦ [Field Compaction Core Method Worksheet](#)

Box Labels

◦ [Drop Box Login Sheets](#)



Thank You!